

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: February 21, 2002, 08:48:04 ; Search time 39.64 Seconds
(without alignments)
10,218 Million cell updates/sec

Title: US-09-512-260-1
Perfect score: 94
Sequence: 1 GLEISEINEEDLKRCFF 18

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues

Total number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/PCITUS.COMB.pep:*
6: /cgn2_6/ptodata/2/1aa/Backflist1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	94	100.0	1480	1	US-08-466-886-17 Sequence 17, Appl US-08-466-886-17

QY 1 GLEISEINEEDLKRCFF 18
DB 817 GLEISEINEEDLKRCFF 834

Similarity
4 Neg
1000
0.16 devian

CFTR
hcs 1480aa

ALIGNMENTS

RESULT 1
US-08-466-886-17
Sequence 17, Application US/08466886
Patent No. 577677
GENERAL INFORMATION:
APPLICANT: Tsui, Lap-Chee
APPLICANT: Riordan, John R.
APPLICANT: Rommens, Johanna M.
APPLICANT: Kerem, Bat-Sheva
APPLICANT: Collins, Francis S.
APPLICANT: Iannuzzi, Michael C.
APPLICANT: Drum, Mitchell L.
APPLICANT: Buckwald, Manuel
TITLE OF INVENTION: Cystic Fibrosis Gene
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,886
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Goldstein, Jorge A.
REGISTRATION NUMBER: 29,021
REFERENCE/DOCKET NUMBER: 1329,0010006
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2540
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 1480 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-466-886-17

Query Match 100.0%; Score 94; DB 1; Length 1480;
Best Local Similarity 100.0%; Pred. No. 2.3e-05;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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OM protein - protein search, using sw model

Run on: February 21, 2002, 08:53:13 ; Search time 39.64 seconds
(without alignments)
12.489 Million cell updates/sec

Title: US-09-512-260-2

Perfect score: 116
Sequence: 1 GLTISEINEDLKECFDDME 22

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues

Total number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

- Issued_Patents_AA:*
- 1: /cgn2_6/prodata/2/1aa/5A.COMB.pep:*
 - 2: /cgn2_6/prodata/2/1aa/5B.COMB.pep:*
 - 3: /cgn2_6/prodata/2/1aa/6A.COMB.pep:*
 - 4: /cgn2_6/prodata/2/1aa/6B.COMB.pep:*
 - 5: /cgn2_6/prodata/2/1aa/PCTUS.COMB.pep:*
 - 6: /cgn2_6/prodata/2/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB ID	Description
1	116	100.0	1480	1	US-08-466-886-17
					Sequence 17, Appl

QY 1 GLTISEINEDLKECFDDME 22
DB 817 GLTISEINEDLKECFDDME 838

ALIGNMENTS

RESULT 1
US-08-466-886-17
Sequence 17, Application US/08466886
Patent No. 5776677
GENERAL INFORMATION:
APPLICANT: Tsui, Lap-Chee
APPLICANT: RJordan, John R.
APPLICANT: Rommens, Johanna M.
APPLICANT: Keren, Bat-Sheva
APPLICANT: Collins, Francis S.
APPLICANT: Iannuzzi, Michael C.
APPLICANT: Drumm, Mitchell L.
TITLE OF INVENTION: Cystic Fibrosis Gene
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,886
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Goldstein, Jorge A.
REGISTRATION NUMBER: 29,021
REFERENCE/DOCKET NUMBER: 1329,0010006
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 1480 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-466-886-17

Query Match 100.0%; Score 116; DB 1; Length 1480;
Best Local Similarity 100.0%; Pred. No. 6.4e-08;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Appendix C

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OM protein - protein search, using sw model

Run on: February 21, 2002, 08:53:17 ; Search time 39.64 Seconds

(without alignments)
15.328 Million cell updates/sec

Title: US-09-512-260-4

Perfect score: 133
Sequence: 1 GMTLNSAGTLLGKINIKALAKKIL 27

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues

Total number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*

- 1: /cgn2_6/prodata/2/1aa/5A_COMB.pep:*
- 2: /cgn2_6/prodata/2/1aa/5B_COMB.pep:*
- 3: /cgn2_6/prodata/2/1aa/5A_COMB.pep:*
- 4: /cgn2_6/prodata/2/1aa/5B_COMB.pep:*
- 5: /cgn2_6/prodata/2/1aa/PCMS_COMB.pep:*
- 6: /cgn2_6/prodata/2/1aa/Dacktille1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	133	100.0	27	3	US-09-116-294-3
					Sequence 3, Appl 1

ALIGNMENTS

```

RESULT 1
US-09-116-294-3
; Sequence 3, Application US/09116294
; Patent No. 6025140
; GENERAL INFORMATION:
; APPLICANT: Langel, Ulo
; APPLICANT: Barfal, Ramas
; APPLICANT: Pooga, Margus
; APPLICANT: Valkna, Andres
; APPLICANT: Saar, Kulliki
; APPLICANT: Hallbrink, Mattias
; TITLE OF INVENTION: Conjugated Constructs of Peptides and
; FILE OF INVENTION: Nucleic Acid Analogs, and Their Transport Across Membranes
; FILE REFERENCE: 4394
; CURRENT APPLICATION NUMBER: US/09/116,294
; EARLIER FILING DATE: 1998-07-16
; EARLIER APPLICATION NUMBER: 60/052,678
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 27
; TYPE: PRT
; ORGANISM: K:\asp
US-09-116-294-3

```

Query Match 100.0%; Score 133; DB 3; Length 27;
Best Local Similarity 100.0%; Pred. No. 8.8e-15;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GMTLNSAGTLLGKINIKALAKKIL 27
DB 1 GMTLNSAGTLLGKINIKALAKKIL 27

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OM protein - protein search, using sw model

Run on: February 21, 2002, 08:53:17 ; Search time 39.64 Seconds
(without alignments)
9.083 Million cell updates/sec

Title: US-09-512-260-5

Perfect score: 92
Sequence: 1 RQIKWIFQRKRWK 16

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues

Total number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/PCITUS.COMB.pep:*
6: /cgn2_6/ptodata/2/1aa/Backfill1est.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
6	92	100.0	16	3	US-09-116-294-4 Sequence 4, Appl

ALIGNMENTS

RESULT 1
US-08-928-958-7
Sequence 7, Application US/08928958
Patent No. 5877282
GENERAL INFORMATION:
APPLICANT: NADLER, STEVEN G.
APPLICANT: CLEVELAND, JEFFREY S.
APPLICANT: BLAKE, JAMES
APPLICANT: HAFER, OMAR K.
TITLE OF INVENTION: PEPTIDE INHIBITORS OF NUCLEAR PROTEIN
TITLE OF INVENTION: TRANSLOCATION HAVING NUCLEAR LOCALIZATION SEQUENCES AND
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROBINS & ASSOCIATES
STREET: 90 MIDDLEFIELD ROAD, SUITE 200
CITY: MENLO PARK
STATE: CA
COUNTRY: USA
ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/928,958
FILING DATE: 12-SEP-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/026978
FILING DATE: 20-SEP-1996
ATTORNEY/AGENT INFORMATION:
NAME: ROBINS, ROBERTA L.
REGISTRATION NUMBER: 33,208
REFERENCE/DOCKET NUMBER: 5998-0019
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 325-7812
TELEFAX: (650) 325-7823
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-928-958-7

Query Match

100.0%; Score 92; DB 2; Length 16